

ABSTRACT OF THE DISCLOSURE

A new lead-free glass flux suitable for the decoration of ceramic materials comprises SiO_2 , Al_2O_3 , B_2O_3 and Li_2O as essential components. The lead-free glass flux is a glass mixture in which a glass composition having a relatively low coefficient of thermal expansion and a glass composition having a relatively high coefficient of thermal expansion and a relatively high chemical resistance are mixed at an appropriate ratio.